

? show files

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(c) 2008 UBM, LLC. All rights reserved.  
[File 674] Computer News Fulltext 1989-2006/Sep W1  
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(c) 2008 Gale/Cengage. All rights reserved.  
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(c) 2008 Gale/Cengage. All rights reserved.  
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[File 160] Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group. All rights reserved.  
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(c) 2008 Gale/Cengage. All rights reserved.  
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[File 624] McGraw-Hill Publications 1985-2008/Dec 04  
(c) 2008 McGraw-Hill Co. Inc. All rights reserved.  
[File 369] New Scientist 1994-2008/Nov W1  
(c) 2008 Reed Business Information Ltd. All rights reserved.  
[File 484] Periodical Abs Plustext 1986-2008/Oct W4  
(c) 2008 ProQuest. All rights reserved.  
[File 613] PR Newswire 1999-2008/Dec 04  
(c) 2008 PR Newswire Association Inc. All rights reserved.  
*\*File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*  
[File 813] PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc. All rights reserved.  
[File 634] San Jose Mercury Jun 1985-2008/Nov 30  
(c) 2008 San Jose Mercury News. All rights reserved.  
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(c) 1999 AAAS. All rights reserved.  
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[File 553] Wilson Bus. Abs. 1982-2008/Dec  
(c) 2008 The HW Wilson Co. All rights reserved.  
[File 98] General Sci Abs 1984-2008/Nov  
(c) 2008 The HW Wilson Co. All rights reserved.

; d s

Set	Items	Description
S1	259633	S (COMPRESS? OR ZIP? ? OR ZIPPED OR ZIPPING OR STUFF??? OR WINZIP? OR SQUEEZ? OR COMPACT???) (5N) (DATA OR DATUM OR FILE? ? OR INFORMATION OR CONTENT? ? OR RECORD? ? OR DATABASE? OR DATA() BASE? OR REPOSITOR? OR RESOURCE? ?)
S2	20372191	S (FILL????? OR MERGE?? OR MERGING OR POPULATE? OR COMPLET??? OR SUPPLY??? OR FURNISH???)
S3	15980	S S2(3N) (RANDOM?? OR PSEUDO() RANDOM?? OR PSEUDORANDOM?? OR ARBITRAR??? OR CHANCE OR DISCRETIONAR? OR AD() HOC OR UNSYSTEMATIC?)
S4	27	S S1(100N) S3
S5	21	RD (unique items)
S6	18	S S5 AND PY=1963:2003

?

## Subject summary

? t/3,k/all

6/3,K/1 (Item 1 from file: 15) [Links](#)

ABI/Inform(R)

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00992123 96-41516

Multimedia standards for Unix

Morris, Tom; Yost, Susan

UNIX Review v13n4 pp: 55-61

Apr 1995

ISSN: 0742-3136 Journal Code: UXR

Word Count: 2562

Text:

...same instant in time. This can cause "jaggies" called motion artifacts if two fields are arbitrarily merged together for display or processing.

Most capture boards will do real-time compression during capture to bring the data rate down to something more manageable for your hard drive to store. Make sure the compressed data rates and quality match the needs of your particular application. If the board has hardware...

6/3,K/2 (Item 2 from file: 15) [Links](#)

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00725891 93-75112

Integrators' Urge to Merge Motion Video and Graphics (Part 2)

Cahill, Ben

Computer Technology Review v12n4 pp: 1, 40

Apr 1992

ISSN: 0278-9647 Journal Code: CTN

Word Count: 1242

Text:

...sampled relative to the luminance or brightness information. The sub-sampling is quite helpful with data compression schemes as well.

For non-restricted operation, merging the two streams into a common DAC...

...Since the input to the DAC is digital, set-up and hold time problems with merging two arbitrary pixel clock rates would be daunting. However, with restrictions on the clock rates, and restrictions

...

6/3,K/3 (Item 3 from file: 15) [Links](#)

ABI/Inform(R)

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00581039 91-55386

Want to Store More Data and Transmit It Faster? Call in the Unsung Hero - Data Compression

Anonymous

IBM Directions v5n2 pp: 30-31

Summer/Fall 1991

ISSN: 0897-0289 Journal Code: IBD

Abstract:

Data compression is an unsung technological hero, although it helps improve many aspects of computer performance. In effect, storage systems can store more and communication links can transmit more if the data are first compressed. Compression techniques are also helping to overcome technological obstacles to digital full-motion video and multimedia programs. Techniques for data compression rely on the fact that most information is not completely random. Patterns or tendencies in a seemingly random stream of data provide opportunities to shorten the digital encoding of those data. Compressing still images is a bit more complicated than compressing text. Compressing the data required for full-motion video is more difficult still.

Research in this area is a...

6/3,K/4 (Item 4 from file: 15) [Links](#)

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00565841 91-40195

New Ink-Jet Printer Bows

Anonymous

Graphic Arts Monthly v63n8 pp: 138

Aug 1991

ISSN: 1047-9325 Journal Code: BGR

Abstract:

...PostScript language and adds new features. These features include: 1. device-independent color matching, 2. data compression, 3. arbitrary fill pattern definition, 4. enhanced font rendering, 5. extended screen functions, 6. improved memory management, and...

6/3,K/5 (Item 1 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01895959 Supplier Number: 17894869 (Use Format 7 Or 9 For FULL TEXT )

Windows 3.1 memory enhancement utilities. (includes related article on the Editors' Choice)(overview of evaluations of five memory managers) (individual evaluation records searchable under "Windows 3.1 Memory Enhancement Utilities") (Software Review)(Evaluation)

Seltzer, Larry; Pietrek, Matt

PC Magazine , v15 , n4 , p205(7)

Feb 20 , 1996

Document Type: Evaluation

ISSN: 0888-8507

Language: English Record Type: Fulltext; Abstract

Word Count: 1788 Line Count: 00144

...RAM compression diagnostic

This test allocates a list of 65,000-byte strings and then fills them with either random data or the same ASCII character. The repetitive data provides a best-case scenario for a compression algorithm, while random data is the worst case. We allocated enough strings to occupy about twice the size of...

19960220

6/3,K/6 (Item 2 from file: 275) [Links](#)

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01779725 Supplier Number: 16909302 (Use Format 7 Or 9 For FULL TEXT )

Multimedia standards for UNIX.(Sight and Sound)(includes glossary)(Tutorial)

Morris, Tom; Yost, Susan

UNIX Review , v13 , n4 , p55(6)

April , 1995

Document Type: Tutorial

ISSN: 0742-3136

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 2994 Line Count: 00243

...same instant in time. This can cause "jaggies" called motion artifacts if two fields are arbitrarily merged together for display or processing.

Most capture boards will do real-time compression during capture to bring the data rate down to something more manageable for your hard drive to store. Make sure the compressed data rates and quality match the needs of your particular application. If the board has hardware...

19950400

6/3,K/7 (Item 3 from file: 275) [Links](#)

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01442887 Supplier Number: 11045437 (Use Format 7 Or 9 For FULL TEXT )

Color printing on plain paper. (Product Spotlight; Tektronix Inc.)

Belleville, Laureen

Computer Graphics World , v14 , n7 , p25(1)

July , 1991

ISSN: 0271-4159

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 500 Line Count: 00039

...Postscript Level 2, which, the company says, adds features such as device-independent color matching, data compression, arbitrary fill pattern definition, enhanced font rendering, extended screen functions, improved memory management, and forms caching.  
Full...

19910700

6/3,K/8 (Item 4 from file: 275) [Links](#)

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01306770 Supplier Number: 07535488 (Use Format 7 Or 9 For FULL TEXT )

Interactive multimedia meets the real world: tomorrow's technology finds uses today.

McMillan, Thomas M.

Computer Graphics World , v12 , n8 , p39(8)

August , 1989

ISSN: 0271-4159

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 3880 Line Count: 00311

...out of the company's Princeton Operation in Princeton, New Jersey, provides a means of compressing digital video data for storage on a CD-ROM disc and decompressing it in real time for interactive

...

...the like. Configured as a realistic truck cab, TDS presents critical driving situations such as random merging traffic, four-way stop dilemmas, and loading dock challenges to test the driver's situational

...

19890800

6/3,K/9 (Item 5 from file: 275) [Links](#)

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01301387 Supplier Number: 07397318 (Use Format 7 Or 9 For FULL TEXT )

Data compression in a half-inch reel-to-reel tape drive. (technical)

Bianchi, Mark J.; Kato, Jeffery J.; Van Maren, David J.

Hewlett-Packard Journal , v40 , n3 , p26(6)

June , 1989

Document Type: technical

ISSN: 0018-1153

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 4286 Line Count: 00334

...engine (i.e., by the host device). This data rate is primarily dependent upon the compression ratio of the data with some minor dependency upon the data pattern. During compression, the HP-DC engine will have a minimum throughput of 1.0 Mbytes/s and...  
...of 2.0 Mbytes/s. The worst-case throughput occurs when the input data is completely random and as a result is expanding. In any case, the compressed data rate is equal to the uncompressed data rate divided by the compression ratio.

The second performance measure and perhaps the most important one is

the data compression ratio for various data types.  
This performance was measured by compressing real user backup  
data from a variety of computer systems. The table below is a  
summary of the compression...

19890600

6/3,K/10 (Item 6 from file: 275) [Links](#)  
Gale Group Computer DB(TM)  
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01230194 Supplier Number: 06980521  
You are there ... and in control. (compressing digital video data) (includes related article on DVI versus CD-I;  
another related article summarizes the history of DVI) (technical)  
Luther, Arch C.  
IEEE Spectrum , v25 , n9 , p45(6)  
Sept , 1988  
Document Type: technical  
ISSN: 0018-9235  
Language: ENGLISH Record Type: ABSTRACT  
Abstract: New techniques compress digital video data before it is processed and stored, reducing the data rate to a  
level where personal... analog television. Fully digital systems are programmed in innumerable ways and can access  
data at random, giving users complete interaction. Applications of digital interactive video (DVI) include training computer  
users, surrogate travel, and synthetic...  
Abstract:  
19880900

6/3,K/11 (Item 1 from file: 47) [Links](#)  
Gale Group Magazine DB(TM)  
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06027156 Supplier Number: 71563254 (USE FORMAT 7 OR 9 FOR FULL TEXT )  
A Bit Confused.  
ROCHE, DAVID  
Skeptical Inquirer , 25 , 2 , 40  
March , 2001  
ISSN: 0194-6730  
Language: English Record Type: Fulltext  
Word Count: 1643 Line Count: 00136

...lots of redundancy and therefore little Shannon information. If we  
converted it into a computer file and ran it through a  
compression algorithm, we would end up with something much smaller  
than what we started with. A book of 100,000 completely  
random letters, in contrast, has no redundancy and therefore lots of  
Shannon information. There is no...

20010301

6/3,K/12 (Item 1 from file: 621) [Links](#)  
Gale Group New Prod. Annou.(R)  
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01165993 Supplier Number: 42154142 (USE FORMAT 7 FOR FULLTEXT)  
Tektronix Introduces First Tabloid-Sized Plain-Paper Color Printer Under \$10,000  
News Release , p 1  
June 17 , 1991  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal ; Trade  
Word Count: 740  
-

...industry-standard  
PostScript language and adds new features.

These features include device-independent color matching, data  
compression, arbitrary fill  
pattern definition, enhanced font  
rendering, extended screen functions, improved memory management and  
forms caching.

Adobe...

19910617

6/3,K/13 (Item 1 from file: 636) [Links](#)  
Gale Group Newsletter DB(TM)  
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03245306 Supplier Number: 46657078 (USE FORMAT 7 FOR FULLTEXT)  
C-DILLA LTD: OUP publish encrypted books on the Internet  
M2 Presswire , p N/A  
August 27 , 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire ; Trade  
Word Count: 419  
-

...end up receiving traditionally printed copies. In this trial project,  
OUP are giving people the chance to buy complete electronic  
copies, or individual chapters, of selected classic text books directly  
from the OUP Web...  
...the title page, foreword, introduction, table of contents, reference  
list and index.  
C-Dilla have compressed but not encrypted the file, so  
the OUP reader and the Introduction file can be downloaded and read  
immediately and...

19960827

6/3,K/14 (Item 1 from file: 16) [Links](#)  
Gale Group PROMT(R)  
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07126099 Supplier Number: 60086543 (USE FORMAT 7 FOR FULLTEXT)  
MUSCULOSKELETAL Q&A.(Statistical Data Included)  
The Journal of Musculoskeletal Medicine , v 17 , n 2 , p 62  
Feb , 2000  
Language: English Record Type: Fulltext  
Article Type: Statistical Data Included  
Document Type: Magazine/Journal; Refereed ; Professional  
Word Count: 2893  
-

...of such a relationship among FM patient populations in general.  
Certainly, this association could occur completely by chance  
when two relatively common conditions are simultaneously recognized because  
persistent symptoms have prompted an extensive...  
...Like symptoms improved substantially after surgery was performed to  
treat the symptoms attributed to her compressive myelopathy. There  
is currently insufficient information to know how common that  
experience will be or how often there will be no...

20000201

6/3,K/15 (Item 2 from file: 16) [Links](#)  
Gale Group PROMT(R)  
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02630876 Supplier Number: 43501570 (USE FORMAT 7 FOR FULLTEXT)  
TECHNOLOGY WATCH  
Electronics Times , p 10  
Dec 3 , 1992  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal ; Trade  
Word Count: 600  
-

...devices to be used. A US start-up, American NeuroLogix, has developed an  
algorithm for compressing random data in memory systems.

All of these companies are working on ways of embedding these algorithms on to memory devices. The American NeuraLogix algorithm can compress completely random data by 10% and patterned data, such as database fields, by 50%. This could change the...

19921203

6/3,K/16 (Item 1 from file: 148) [Links](#)  
Gale Group Trade & Industry DB  
(c) 2008 Gale/Cengage. All rights reserved.  
05431516 Supplier Number: 11162886 (USE FORMAT 7 OR 9 FOR FULL TEXT )  
New ink-jet printer bows. (Tektronix Inc.'s PhaserJet PXi)  
Graphic Arts Monthly , v63 , n8 , p138(1)  
August , 1991  
Document Type: evaluation  
ISSN: 1047-9325  
Language: ENGLISH  
Record Type: FULLTEXT  
Word Count: 591 Line Count: 00046

...industry standard PostScript language and adds new features. These features include device-independent color matching, data compression, arbitrary fill pattern definition, enhanced font rendering, extended screen functions, improved memory management, and forms caching.  
The...

19910800

6/3,K/17 (Item 1 from file: 484) [Links](#)  
Periodical Abs Plustext  
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05456069 (USE FORMAT 7 OR 9 FOR FULLTEXT )  
Computers, paradoxes and the foundations of mathematics  
Chaitin, Gregory J  
American Scientist ( IASC ) , v90 n2 , p 164-171  
Mar/Apr 2002  
ISSN: 0003-0996 Journal Code: IASC  
Document Type: Feature  
Language: English Record Type: Fulltext; Abstract  
Word Count: 4384  
2002  
Text:

...the data are incomprehensible, random. A theory is good only to the extent that it compresses the data into a much smaller set of theoretical assumptions and rules for deduction.  
So you can...  
...randomness as something that cannot be compressed at all. The only way to describe a completely random object or number to someone else is to present it and say, "This is it..."

6/3,K/18 (Item 2 from file: 484) [Links](#)  
Periodical Abs Plustext  
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04985931 (USE FORMAT 7 OR 9 FOR FULLTEXT )  
A bit confused: Creationism and information theory  
Roche, David  
Skeptical Inquirer ( PSKI ) , v25 n2 , p 40-42  
Mar/Apr 2001  
ISSN: 0194-6730 Journal Code: PSKI  
Document Type: Feature  
Language: English Record Type: Fulltext; Abstract  
Word Count: 1527



2001

Text:

...lots of redundancy and therefore little Shannon information. If we converted it into a computer file and ran it through a compression algorithm, we would end up with something much smaller than what we started with. A book of 100,000 completely random letters, in contrast, has no redundancy and therefore lots of Shannon information. There is no...

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